Oil Companies International Marine Forum

MTIS Programme

Terminal TPQ

Terminal TPQ: REPSOL BUTANO ALCUDIA

ReportName cd3683aa-7f4f-47e1-875a-bc90306d796d

Terminal Name: REPSOL BUTANO ALCUDIA

Terminal Port: PUERTO DE ALCUDIA

Terminal Port Authority: AUTORIDAD PORTUARIA DE BALEARES

Country: Spain

19 July 2017

1 General

1.1	Date this TPQ document was completed/updated	19 July 2017
1.2	Specify units used	Metres and Metric Tonnes

2 Port Details

2.1	Port Name	PUERTO DE ALCUDIA
2.2	UN LOCODE	ESALK
2.3	Country	Spain
2.4	Latitude and Longitude of Port	
1	Latitude	395006 North
2	Longitude	0030818 East
2.5	Is this location affected by ice?	No
2.6	Name of port authority	AUTORIDAD PORTUARIA DE BALEARES
2.7	Port authority contact name and title	JOAN GILI MULET; RESPONSABLE DE OPERACIONES Y SERVICIOS PORTUARIOS
2.8	Port authority full style contact address	
1	Address Line 1	Moll de Pescadors, S/N
2	Address Line 2	N/A
3	Address Line 3	N/A
4	City	Puerto de Alcudia(Mallorca)
5	County/State	Baleares/Spain
6	Postcode/Zipcode	07410
7	Phone	+34 971545076
8	Fax	+34 971 549167
9	Email	jgili@portsdebalears.com
10	Website	www.portsdebalears.com

3 Terminal Details

3.1	Terminal name	REPSOL BUTANO ALCUDIA
3.2	Terminal owner	AUTORIDAD PORTUARIA DE BALEARS
3.2	Number of berths included in this TPQ	1
3.3	Name of first point of contact for terminal owner	JOAN GILI MULET ;RESPONSABLE DE OPERACIONES Y SERVICIOS PORTUARIOS
3.4	Terminal owner full style contact address	
1	Address Line 1	Moll de Pescadors, S/N
2	Address Line 2	N/A
3	Address Line 3	N/A
4	City	Puerto de Alcudia(Mallorca)
5	County/State	Baleares/Spain

6	Postcode/Zipcode	07410
7	Phone	+34 971545076
8	Fax	+34 971 549167
9	Email	jgili@portsdebalears.com
10	Website	www.portsdebalears.com
3.5	Terminal operator, if different from owner	REPSOL BUTANO SA
3.6	Name of first point of contact for terminal operator	LUIS DAVID FERNANDEZ CHOCRON
3.7	Terminal operator full style contact address	
1	Address Line 1	Crta. Aucanada, S/N
2	Address Line 2	N/A
3	Address Line 3	N/A
4	City	Alcudia(Mallorca)
5	County/State	Baleares/Spain
6	Postcode/Zipcode	07400
7	Phone	+34 971897200
8	Fax	+34 971548155
9	Email	lfernandezc@repsol.com
10	Website	www.repsol.com

4 TPQ Accountability

4.1	Name and title of person completing this TPQ	LUIS DAVID FERNANDEZ CHOCRON& JEFE DE FACTORIA
4.2	Full style contact details of person completing this TPQ	
1	Address Line 1	Crta. Aucanada, S/N
2	Address Line 2	N/A
3	Address Line 3	N/A
4	City	Alcudia(Mallorca)
5	County/State	Baleares/Spain
6	Postcode/Zipcode	07400
7	Phone	+34 971897200
8	Fax	+34 971548155
9	Email	lfernandezc@repsol.com

5 Port Facility Security Officer Details

5.1	Does the port facility comply with the ISPS code?	
1		Yes
2	Port Facillity Security Officer contact name	JOSEP AUBAREDA FIGUERAS
5.2	Port Facility Security Officer full style contact details	
1	Address Line 1	Moll de Pescadors, S/N
2	Address Line 2	N/A
3	Address Line 3	N/A

4	City	Puerto de Alcudia(Mallorca)
5	County/State	Baleares/Spain
6	Postcode/Zipcode	07410
7	Phone	+34 971724749/+34 971712865/+34 665857350
8	Fax	+34 971549167
9	Email	ccontrol@portsdebalears.com / mespinosa@portsdebalears.com

6 Operational Integrity Details

6.1	State details of any pre-arrival/operational clearance formalities for vessels	Repsol Vetting clearance confirmation Port Authority clearance required Pre-arrival information Repsol Butano Alcudia
6.2	Has the terminal completed an assessment using the standard industry process?	
1		No
2	If 'Yes', state date completed	
6.3	Additional comments or information	None.

Oil Companies International Marine Forum

MTIS Programme

Berth TPQ

Berth TPQ: PANTALAN DE REPSOL BUTANO

ReportName 628e1fdb-8f7d-4163-a92e-9c0bab93b2de

Terminal Name: REPSOL BUTANO ALCUDIA

Terminal Port: PUERTO DE ALCUDIA

Terminal Port Authority: AUTORIDAD PORTUARIA DE BALEARES

Country: Spain

Berth Name: PANTALAN DE REPSOL BUTANO

19 July 2017

1 Berth General

1.1		Berth name or number	PANTALAN DE REPSOL BUTANO
1.2		Berth type	
	1		Jetty - 'T' finger
	2	If 'Other' please specify	
1.3		Terrestrial co-ordinates of manifold centreline	
	1	Latitude	395006 North
	2	Longitude	0030817 East
1.4		Berth users for liquid and gas cargoes	REPSOL BUTANO SA
1.5		Has a structural survey of the berth been undertaken, including its underwater structure?	
	1		No
	2	If 'Yes', state date of last survey	
1.6		Has an engineering (mooring and fendering) analysis of berth been undertaken?	
	1		No
	2	If 'Yes', state date of last analysis	
1.7		Additional comments or information	None.

2 Berth Approaches

2.1		Is pilotage compulsory?	
	1		Yes
	2	If 'Yes', state if any vessels are exempted	No vessels exempted
2.2		State distance from pilot station(s) to berth	504 Metres
2.3		Is a waiting anchorage available?	
	1		Yes
	3	If 'Yes', state distance from waiting anchorage to berth	1880 Metres
2.4		Controlling depth of water for transit to and from berth	
	1	Water depth	8.00 Metres
	2	State datum used	Chart Datum (CD)
	3	If 'Other' please specify datum	
2.5		Date of latest survey from which transit depth has been determined	01 December 2002
2.6		Date next survey is due	01 January 2099
2.7		State Maximum Tidal Range in berth approaches	0.40
2.8		Is laden transit to and/or from the berth conducted using the tide?	
	1		No
	2	If 'Yes', state optimum transit window (i.e. at High Water, HW +/- 1 hr)	
2.9		State details of any specific berthing and/or unberthing restrictions	Night time berthing no permitted and unberthing at night permitted.

2.10	Minimum under keel clearance (UKC) in berth approaches		
	1	Value	0.90 Meters
	2	Percentage	16.00 Vessel static draft
	3	Specify other UKC criterion where applicable	None
2.11	Absolute maximum draught in berth approaches, if applicable		5.20
2.12	State minimum vertical clearance of any bridges/power cables/vertical obstructions		
	1	Vertical clearance	999.00 Metres
	2	State datum used	Other (Specify)
	3	If 'Other' specify other datum used	NO RESTRICTIONS.
	4	Further details	Figure of 999 m. used as no posibility to select Not Applicable. There are no bridges or cables under which to transit and consequently no air draft limitations.
2.13	Does the port require tankers and gas carriers to be escorted by tugs?		
	1		Yes
	2	If 'Yes', state whether Active or Passive escort is employed and the maximum towline force that the tug is able to generate	Passive escort is employed. Usually no towline required. Maximum pulling force 24 tons.
2.14	Additional comments or information		None

3 Water Depth Alongside

3.1	Minimum controlled water depth alongside berth at chart datum		
	1	Water depth	6.10 Metres
	2	State datum used	Chart Datum (CD)
	3	If 'Other' specify datum	
3.2	Date of latest survey from which alongside depth has been determined		30 June 2016
3.3	Date next survey is due		01 January 2025
3.4	Minimum static under keel clearance (UKC) alongside berth		
	1	Value	0.90 Meters
	2	Percentage	16.00 Vessel static draft
	3	Specify other UKC criterion where applicable	None
3.5	State range of water densities at berth		
	1	From	1026.00
	2	To	1026.00
	3	Further details	None
3.6	Type of bottom alongside berth		
	1		Sand
	2	If 'Other' please specify	
3.7	Absolute maximum draft alongside, if applicable		5.20
3.8	State maximum tidal range at berth, if applicable		0.40

3.9	Are 'over-the-tide' cargo handling operations permitted at the berth?	No
3.10	Does the berth location experience water-level anomalies?	
1		No
2	Provide details	
3.11	Additional comments or information	None

4 Limiting Vessel Dimensions

4.1	Summer deadweight	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metric Tonnes
3	Maximum	0.00 Metric Tonnes
4.2	Berthing displacement	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metric Tonnes
3	Maximum	0.00 Metric Tonnes
4.3	Alongside displacement	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metric Tonnes
3	Maximum	0.00 Metric Tonnes
4.4	State any deadweight/displacement exceptions	
1	TPQ NA Selector	No restrictions
2		No exceptions
4.5	Cubic capacity (gas carriers)	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Cubic metres
3	Maximum	0.00 Cubic metres
4.6	Length over all (LOA)	
1	TPQ NA Selector	Applicable
2	Minimum	60.00 Metres
3	Maximum	120.00 Metres
4.7	Beam	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.8	Minimum parallel body length (PBL)	
1	TPQ NA Selector	Applicable
2		60.00
4.9	Minimum PBL forward of manifold	
1	TPQ NA Selector	Applicable

2		30.00
4.10	Minimum PBL aft of manifold	
1	TPQ NA Selector	Applicable
2		30.00
4.11	Bow to centre of manifold (BCM)	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.12	Stern to centre of manifold (SCM)	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.13	Freeboard	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.14	Manifold height above water	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.15	Manifold to shipside rail distance	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.16	Height of manifold above deck or drip tray	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4	Specify whether height is from the deck or the drip tray	No restriction. As per OCIMF.
4.17	Manifold spacing	
1	TPQ NA Selector	No restrictions
2	Minimum	0.00 Metres
3	Maximum	0.00 Metres
4.18	Maximum air draft alongside	
1	TPQ NA Selector	Not applicable
2		0.00
4.19	Vessel's minimum derrick/crane Safe Working Load (SWL)	
1	TPQ NA Selector	Applicable
2		2.00 Metric Tonnes
4.20	Additional comments or information	None

5 Mooring and Berthing Information

5.1	State availability and specifications of tugs and mooring craft required for berthing and/or unberthing.	Two mooring boats whit 250 hp engines One tugboat of 27.17 meters LOA, 2400 hp, 24 tons bollard pull. One tugboat always required.
5.2	Are ship's or tug's lines used?	
1	Ship/Tug	Not required
2	Comments	In case towing line required this line can be provided either by the ship or by the tugboat depending on agreement by the parts.
5.3	Type of fenders installed at berth	
1		Other
2	If 'Other' please specify	Cylinder marine Rubber Fender
5.4	State orientation of vessel alongside berth	Either Port & Starboard Side To
5.5	At buoy moorings, state which side hose is normally connected	
1		Not applicable
2	If 'Other' please specify	No buoy moorings
5.6	Minimum mooring arrangement	Two headlines, two spring lines fordward and two sternlines and two spring lines aft.
5.7	Describe any additional mooring requirements	None
5.8	Are there any restrictions using wire mooring ropes?	
1		Yes
2	If 'yes', provide details of restrictions in wire moorings as part of the mooring pattern	Not accepted by mooring gang.
5.9	Are there any restrictions using synthetic mooring ropes?	
1		No
2	If ‘yes’; provide details of restrictions in synthetic mooring ropes as part of the mooring pattern	They should be in good condition
5.10	Are there any restrictions on using high modulus synthetic mooring ropes?	
1		No
2	If 'yes' provide details	They should be in good condition.
5.11	Details of any specific mooring equipment required for any vessel utilising the berth	None
5.12	Does the terminal require the vessel to rig Emergency Towing Off Pennants (ETOPs) while at the berth?	
1		Yes
2	If 'Yes', provide details of particular requirements regarding ETOPs.	Secured on board and hanging between 1 and 2 meters above sea water level. According Flag Administratrion procedures BOE 145/89
5.13	Details of any shore-provided mooring equipment	None
5.14	Are berthing aids provided?	
1		No

2	If 'Yes', state type of aids	
5.15	State allowable speed of approach if applicable	
1		Max. speed allowed 0.8 m/s
1		1.60 Knots
5.16	Is a mooring tension monitor fitted?	No
5.17	Are mooring hook quick release arrangements provided?	No
5.18	Chain stopper requirements	
1	Applicable	No
2		Not an SBM
5.19	Largest ship handled at berth to date	CELANOVA IMO 9268394
5.20	Additional comments or information	None

6 Berth Equipment and Facilities

6.1	Number, type and size of cargo transfer connections	Flexible hose of 4" ASA/ANSI 300
6.2	List grades handled at berth	Commercial LPG
2	State specific grades handled at berth (e.g. Ekofisk crude oil, Unleaded Gasoline, Jet A1).	Butane and Propane
6.3	State transfer rate restrictions and back pressure for each cargo grade	Max. Back Pressure Propane 7,5 Kg/cm2. Max. Back Pressure Butane 5 Kg/cm2. Max. Discharging rate for both grades 160 ton/h. Only one cargo line for both grades.
6.4	Are transfer connections fitted with insulation flanges?	
1		Yes
2	Provide details	Only one cargo line. Insulation gasket provided between buried pipeline and aboveground pipeline.
6.5	State storage type for LPG	Semi-Pressurised
6.6	Describe any terminal-specific requirements for vessel manifolds	None
6.7	Is berth fitted with a vapour manifold connection?	
1		No
2	If 'Yes' state type and size of vapour connection	
3	State cargo types for which it is required to use vapour connection (if applicable)	
6.8	State throughput rate(s) of vapour recovery system	Vapor connection provided but not used for discharge operation.
6.9	Are Powered Emergency Release Couplings (PERCS) installed to the cargo transfer arms?	
1		Yes
2	Supply details	Initiation by wire connection between manifold connection and ERC. Valve will close immediately.

6.10	Does the berth have an emergency shutdown (ESD) capability that can be activated by the ship?	
1		No
2	If 'yes' provide details	
6.11	Describe access arrangements between ship and shore.	Ship gangway used. Ship provided safety net.
6.12	Does the berth have pollution response equipment?	
1		Yes
2	If 'yes' provide details	Containment boom provided at adjacent berth, which belongs to port authority. Absorbent materials available for minor hydraulic leaks.
6.13	Additional comments or information	None

7 Berth Operations

7.1	What is the primary and backup communication system between ship and terminal during cargo operations?	Walkytalky provided by terminal.
7.2	Is it required that terminal or shore representatives stay on board during operations?	
1		No
2	If 'Yes', state requirements including number of persons and their roles	
7.3	Specify weather/environmental restrictions for stopping cargo operations, disconnecting hoses or arms and vacating the berth?	No defined environmental restrictions.
7.4	Are there any restrictions regarding tank cleaning/Crude Oil Washing (COW) operations at the berth?	
1		No
2	If 'Yes' provide full details of these restrictions	
7.5	Are there any berth specific requirements regarding tanker inerting procedures?	
1		No
2	If 'Yes', state requirements	
7.6	Is there a temperature limit for cargo handled?	
1		Yes
2	If 'Yes', state temperature limits	T> 0ºC
7.7	Is it permitted for vessels to undertake double-banked operations alongside the berth?	
1		No
2	If 'Yes', state limiting criteria	
7.8	Is vessel required to pump water ashore or receive water on board for line clearance purposes?	
1		No
2	If 'Yes', provide operational details	
7.9	Can the berth be used for Ship-to-Ship transfers using terminal facilities?	
1		No

2	Provide details	
7.10	State details regarding any environmental restrictions applicable at the berth	No cargo vapor emissions allowed. No heavy smoke from engine funnel allowed.
7.11	Are there any restrictions regarding Hydrogen Sulphide content in Cargo Tanks?	
1		No
2	If 'Yes', state restriction	
7.12	Are there any restrictions regarding Mercaptan content in Cargo Tanks?	
1		No
2	If 'Yes', state restriction	
7.13	Are there any restrictions on handling stores when a ship is moored alongside berth?	
1		Yes
2	If 'Yes', state restriction	Not permited
7.14	Additional comments or information	None

8 Available Services

8.1	Are Fuel Oil bunkers available?	
1		No
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	
8.2	Are Diesel Oil bunkers available?	
1		No
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	
8.3	Are Intermediate Oil bunkers available?	
1		No
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	
8.4	Is fresh water available?	
1		No
2	If 'Yes', state how delivered (e.g. Ex-Pipe, barge, truck)	
8.5	Are slop reception facilities available?	
1		No
2	If 'Yes', state how received (e.g. Ex-Pipe, barge, truck)	
3	State capacity of slop reception facilities (if applicable)	Cubic metres
4	State any specific exclusions for slop receipts (e.g. chemicals, detergents, cleaning agents)	No store facilities
8.6	Are dirty ballast reception facilities available?	
1		No
2	If 'Yes', state how received	
3	State capacity of dirty ballast receiption facilities	
8.7	Are engine room sludge and bilge reception facilities available?	
1		No
2	If 'Yes', state how received (e.g. Ex-pipe, barge, truck)	

8.8	Are garbage reception facilities available at the berth.	
1		Yes
2	If 'Yes', provide details	Service provided by Serviport Balear, S.L.. No restrictions of quantity and received via berth in truck.
8.9	Additional comments or information	None

9 Berth Low Temperature Impact

9.1	What is the typical range of temperatures the terminal operates in during a winter season?	
9.2	Which months of the year can ice be expected?	
9.3	Specify any terminal requirements for vessel Ice Class notation and winterisation capabilities	
9.4	State any limitations for cargo operations in sub-zero temperatures	
9.5	State the minimum allowable ambient temperature for safe cargo operations	
9.6	State the minimum temperature of cargoes handled	
9.7	State the minimum temperature for the emergency shut-down system to operate safely	
9.8	Does the terminal have its own resources for conducting icebreaker escort	
1		No
2	If 'Yes' provide details and specify how they can be requested	
9.9	Are there icebreakers available to operate in the terminal area	
1		No
2	Specify details (e.g. Name/IMO Nr/GRT/Power/Ice Class)	
9.10	Does the terminal have ice-capable tugs and support craft	
1		
2	Specify details (e.g. Name/IMO Nr/GRT/Power/Ice Class)	
9.11	Does the terminal have specific requirements for the vessel speed and manoeuvrability characteristics in ice?	
1		
2	If 'Yes', provide details	
9.12	Does the terminal provide its own ice navigator/advisor?	
1		
2	If 'Yes', provide details of how the service may be requested	
9.13	Additional comments or information	

10 Supplementary Information

10.1	Berth transparency	Piled jetty.
10.2	Specify datum used for height and depth measurements in this section	
1		Chart Datum (CD)
2	If 'Other' please specify other	

10.3	Berth height above datum	8.40
10.4	Berth heading	316º
10.5	Width of the channel adjacent to the berth	50.00

10.6 Position of mooring bollards and hooks

Hook/Bollard ID Number and Type	'x' dist to Fender Face (m)	'y' dist to Target Line (m)	Height (m)	SWL (tonnes)
Bollard 1	77.00	37.00	0.30	50.00
Bollard 2	30.00	1.50	0.30	50.00
Bollard 3	3.00	1.50	0.30	50.00
Bollard 4	-3.00	1.50	0.30	50.00
Bollard 5	-30.00	1.50	0.30	50.00
Bollard 6	-70.00	8.00	0.30	50.00

10.7 Position of mooring buoys

Mooring Buoy ID Number	'x' Distance to Target Line F & A (m)	'y' Distance to Target Line athwart (m)	Height (m)	Max. Allow Load (tonnes)
n/A	0.00	0.00	0.00	0.00

10.8 Fender Location

Fender ID Number	'x' Dist to Target Line (m)	Elevation of Fenders (m)	Fender Width (m)	Fender Height (m)	Fender Contact Area (m2)
Fender 1	30.00	-1.40	3.00	1.20	0.80
Fender 2	0.00	-1.40	3.00	1.20	0.80
Fender 3	-30.00	-1.40	3.00	1.20	0.80

10.9 Fender Reaction Data

Fender Id Number	Point No.	Compression (metres)	Load (tonnes)
1	1	0.80	157.40
3	1	0.80	157.40
2	1	0.80	157.40

10.10	Fender friction coefficient (μ)	0.20

10.11 State identity and horizontal position of loading arms

Loading Arm/Shore Connection ID Number	Horizontal co-ordinate X	Horizontal co-ordinate Y	Max Excursion Surge	Max Excursion Sway	Max Excursion Heave
NO LOADING ARMS	0.00	0.00	0.00	0.00	0.00

10.12 State loading arm operating limits

Loading Arm ID Number	Max Op Height	Min Op Height	Max Excursion Surge	Max Excursion Sway	Max Excursion Heave

	NO HARD ARM BUT HOSES	0.00	0.00	0.00	0.00	0.00

10.13	Additional comments or information	No hard arms. Operations using flexible cargo hoses. No mooring buoys.